

NISTTech

Methods for Reducing Wear on Silicon Carbide Ceramic Surfaces

Abstract

Methods for reducing wear on silicon carbide ceramic surfaces comprise contacting the surface with a lubricating oil composition including an organic sulfide. Preferred organic sulfides are of the formula $R^1-S-(S)_n-R^2$ wherein R^1 and R^2 are individually selected from the group consisting of alkyl, aryl, arylalkyl and alkaryl groups and hydrogen, but not both R^1 and R^2 are hydrogen, and n is 0, 1 or 2.

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References

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Status of Availability

This invention is available for exclusive or non-exclusive commercialization licensing. Collaborative research opportunities are available.

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